

- c. Refer to paragraph 1-2 and start and operate the engine.
- d. Engage the power take-off control lever (58).
- e. Move the pulldown transmission control lever (14) to the desired position.
- f. Operate the pulldown control lever (13) to obtain the desired pulldown pressure. The pulldown pressure will be indicated on the hydraulic system pressure gauge (21).

1-18. HOLDBACK OPERATION

- a. Position the controls as indicated in paragraph 1-2.
- b. Position the auxiliary transmission shift levers (65, Figure 1-2) to the desired positions.
- c. Refer to paragraph 1-2 and start and operate the engine.
- d. Engage the power take-off control lever (58).
- e. Perform the following procedures to adjust the hold-back pressure.
 - (1) Pull the hold-back pressure control (6, Figure 1-2) out to the on position.
 - (2) Loosen the locknut on the valve handle shaft on the hold-back balance control (5).
 - (3) Accelerate the engine to the desired rpm.
 - (4) Observe the indication on the hold-back pressure gauge (20).
 - (5) Rotate the hold-back balance control handle (5) to obtain the desired pressure indication on the gauge (20).
 - (6) Tighten the locknut on the valve handle shaft on the hold-back balance control (5).
 - (7) Push the hold-back pressure control (6) in to the off position.

NOTE

After the hold-back pressure has been adjusted, hold-back pressure should be applied or shutoff as necessary during the drilling operation by using the hold-back pressure ON-OFF control (6).

1-19 PNEUMATIC LUBRICATOR OPERATION. The pneumatic lubricator should be checked and set for operation prior to operating the machine.

NOTE

There are no controls on the pneumatic lubricator that must be actuated as part of the drilling operation, however, it is essential that the lubricator be operating properly in order to provide adequate lubrication for the air operated controls.

- a. Remove the cover from the pneumatic lubricator housing.
- b. Check the lubricant level in the oil level sight glass (80, Figure 1-2). Add oil if necessary.
- c. Open the drain cock (77) and drain any moisture that may have collected in the air filter. Close the drain cock.
- d. Open the drain cock located on the bottom of the controls air reservoir and drain any moisture that may have collected in the reservoir. Close the drain cock.
- e. Open the cutoff valve (76).
- f. Operate the engine to buildup air pressure.
- g. Check the indication on the pressure regulator air pressure gauge (79).
- h. If necessary, adjust the pressure with the pressure regulator control valve (78) to attain the desired indication on the pressure gauge (79).

NOTE

The machine must be operating and controls actuated to perform the following procedures.

- i. Observe the rate of lubricant flow in the sight glass (81). The rate of flow should be 1 to 3 drops per minute.
- j. If necessary, adjust the rate of flow to obtain 1 to 3 drops per minute by turning the adjusting screw (82).
- k. Reinstall the cover on the pneumatic lubricator housing.

1-20. COLD WEATHER SHUTDOWN: If operation of the drilling machine is to be discontinued for a period of time, and the ambient temperature is expected to drop below freezing, the following procedures should be accomplished to avoid possible damage.